

## **EOCEP Biology**

### **2016 Data Review**

#### **General Recommendations:**

##### **For students:**

- Read questions carefully to clarify what is being asked.
- Read all answer choices before making a selection.

##### **For teachers:**

- Use data, diagrams, and models with all content.
- Do science with your students by incorporating the science practices in every lesson.
- Spiral and connect learning throughout the year by consistently reviewing previous concepts as they relate to new content.
- Students should be given frequent opportunities to interpret real data and to write about their conclusions.
- Review the ATP-ADP cycle and emphasize that energy is required to form ATP from ADP and phosphate.
- Students need to understand the connections between different pieces of content that relate to genetics, heredity and reproduction. Teachers should employ frequent examples of reproduction and life cycles in whole organisms, especially humans. The following H.B. indicators encompass overlapping content in the areas of genetics, heredity, and reproduction: 2A.1, 2B.1, 2D.1-3, 4A.1 & 2, 4B.1, 4C.1-3, 4D.1, and B-5.2.